JVC AV-29BD3 EK

General Information

Also Covers
JVC AV-29BD3 EN
JE Chassis

Matrix

Item	See Model	Vol
Safety Precautions	JVC AV-28WFR1 EKS	8
Features	JVC AV-25BD3 EK	8
Other Adjustments	JVC AV-29TS2 EK	6

Recommended Safety Parts

Item	Part No.	Description	
AV-29BD3EN			
1	LC10079-001B-U	REAR COVER	
3	LC10093-001B-U	CHASSIS BASE	
5	LCT0133-001A-U	INST. BOOK	For ENG/GER/FRA/NED/ITA/ESP
6	LCT0134-001A-U	INST. BOOK	For FIN/NOR/DEN/SWE/POR
10	AEEMP001-185	POWER CORD	
11	CM46618-A01-E	POWER CORD CLAMP	
12	LC20076-001A-U	RATING LABEL	For ENG/GER/ITA
13	LC20077-002A-U	RATING LABEL	For ENG/ESP
C1521	QFZ0152-4001	MPP CAP.	4000pF 1.5kVH±2.5%
C1522	QFZ0152-9501	MPP CAP.	9500pF 1.5kVH±2.5%
C1523	QFP32GJ-223	PP CAP. 0.022µF	400V J
C1525	QFZ0119-684	MPP CAP. 0.68µF	200V±3%
C1531	QFZ0119-154	MPP CAP. 0.15µF	200V±3%
C1902	QCZ9086-472	C CAP. 4700pF	AC400V P
C1903	QCZ9086-472	C CAP. 4700pF	AC400V P
C1904	QCZ9086-472	C CAP. 4700pF	AC400V P
C1992	QCZ9079-471	C CAP. 470pF	AC250V K
C1993	QCZ9079-332	C CAP. 3300pF	AC250V K
C8901	QFZ9040-474N	MF CAP. 0.47µF	AC275V M
C8904	QFZ9040-473N	MF CAP. 0.047µF	AC275V M
CP1952	ICP-N50-Y	I.C.PROTECT	
CP1953	ICP-N50-Y	I.C.PROTECT	
D1901	D3SBA60	DIODE BRIDGE	
F8901	QMF51D2-3R15J1	FUSE 3. 15A	
FR1551	QRZ9017-4R7	4.7Ω 1/4W	J
FR1552	QRZ9021-1R0	1.0Ω 1W	J
FR1553	QRZ9021-1R0	1.0Ω 1W	J
FR1954	QRZ9022-R82	0.82Ω 1W	K
IC1902	TLP721F(D4-GR)	IC. (PH.COUPLER)	
L01	CELD020-004J7	DEGAUSSING COIL	
LF8901	CE42144-001J2	LINE FILTER	
Q1521	BU2508AX	POWER TRANSISTOR	H OUT
R0403	QRZ9017-470	F R 47Ω	1/4W J
R1466	QRJ146J-2R2X	C R 2.2Ω	1/4W J
R1585	QRA14CF-2941Y	MF R 2. 94kΩ	1/4W F
R1586	QRA14CF-1582Y	MF R 15.8kΩ	1/4W F
R1991	QRZ0057-825	C R 8.2MΩ	1W J
S8901	QSP4K21-C01	PUSH SWITCH	MAIN POWER
SK3001	CE42535-001J1	C.R.T.SOCKET	
T1551	CETH019-00AJ1	H.V. TRANSF.	(SERVICE)
T1901	CETS083-001J7	SWITCH. TRANSF.	
TH8901	CEKP010-001J2	W. P. THERMISTOR	
V01	A68ESF002X011	ITC PICTURE TUBE(Inc. DY. PC, WED)	
AV-29BD3EK Only			
5	LCT0131-001A-U	INST. BOOK	
10	AEEMP001-185A	POWER CORD	
12	LC20075-002A-U	RATING LABEL	

SAFETY PRECAUTIONS - See Matrix

FEATURES - See Matrix

MAIN DIFFERENCE PARTS LIST - See book-marks section

SPECIFIC SERVICE INSTRUCTIONS

DISASSEMBLY PROCEDURE

REMOVING THE REAR COVER
1. Unplug the power cord
2. Remove the 12 screws marked **"X"** as shown in the figure.
3. Withdraw the rear cover toward you.

REMOVING THE CHASSIS
• After removing the rear cover.
1. Slightly raise the both sides of the chassis by hand and remove the two claws under the both sides of the chassis from the front cabinet.
2. Withdraw the chassis backward. (If necessary, take off the wire clamp, connectors etc.)

REMOVING THE AV TERMI. BOARD
• After removing the rear cover.
1. While raising the claw marked "A" remove the top of the AV TERMI. Board slightly in the direction of arrow "B" as shown in Fig. 1.
2. Remove the claws marked "C" under the AV TERMI. Board remove the AV TERMI. Board in the arrow direction marked "D" as shown in Fig. 2

REMOVING THE CONTROL BASE
1. While pushing down the claws marked "E", remove the CONTROL BASE in the arrow direction "F" as shown in Fig. 3. (If necessary, take off the wire clamp, connectors etc.)

REMOVING THE SPEAKER ADAPTER
• After removing the rear cover.
1. Remove the two screws marked "Z" as shown in figure.
2. Follow the same steps when removing the other hand speaker adapter.

REMOVING THE SPEAKER
• After removing the rear cover.
1. Remove the 4 screws marked "Y" as shown in figure.
2. Follow the same steps when removing the other hand speaker.

CHECKING THE PW BOARD
1. To check the back side of the PW Board.
1) Pull out the chassis. (Refer to REMOVING THE CHASSIS).
2) Erect the chassis vertically so that you can easily check the back side of the PW Board.

[CAUTION]
- When erecting the chassis, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the wire connector is properly connected.

WIRE CLAMPING AND CABLE TIES
1. Be sure to clamp the wire.
2. Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie

REPLACEMENT OF MEMORY ICs - See Matrix

SETTING VALUES OF SYSTEM CONSTANT SET

Setting item
1. COUNTRY

Setting content
→ PF → IR → UK → EN

Setting item
2. INCH

Setting content
→ 21 → 25 → 29

Setting value
AV-29BD3EN: EN (29")
AV-2SBD3EK: UK (29")

USER SETTING VALUES - See Matrix

SERVICE MENU SETTING ITEMS - See Matrix

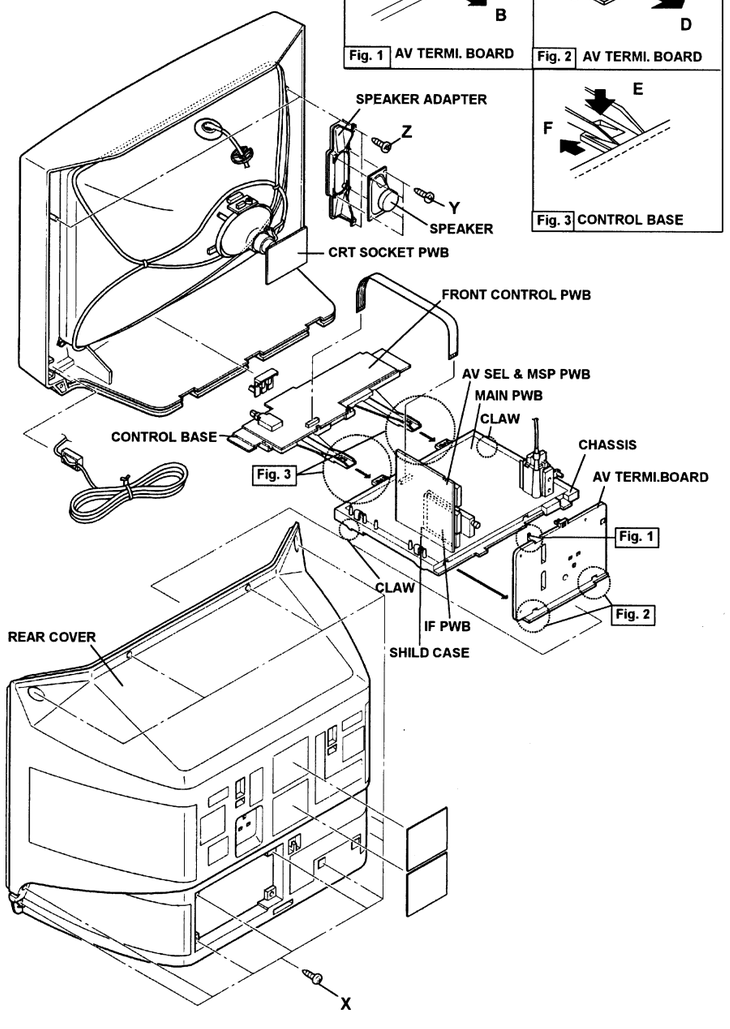
BEFORE STARTING SERVICE ADJUSTMENTS - See Matrix

BASIC OPERATION OF SERVICE MENU - See Matrix

For **B1 POWER SUPPLY CHECK, FOCUS, IF CIRCUIT, and VSM PRESET ADJUSTMENTS** - See Matrix

VIDEO/CHROMA CIRCUIT ADJUSTMENT - See Matrix

For Adjustments of **WHITE BALANCE, SUB BRIGHT, SUB CONT., SUB COLOUR I, SUB TINT, BLACK OFFSET (SECAM)** - See Matrix.



Item
Adjustment of SUB COLOUR II

Measuring instrument
Signal Generator
Oscilloscope
Remote Control Unit

Test point
TP-47B
TP-E
[CRT SOCKET PWB]

Adjustment part
5.COLOUR (PAL~NTSC)

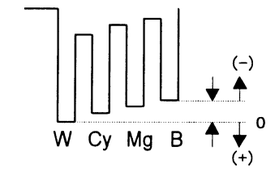
Description
[Method of adjustment using measuring instrument]

Adjustment part
PAL COLOUR

Description
(PAL COLOUR)
1. Receive a PAL full field colour bar signal (75% white).
2. Select 2.V/C from the SERVICE MENU.
3. Select 7.COLOUR with the FUNCTION UP/DOWN key.
4. Set the initial setting value for PAL COLOUR with the FUNCTION - or + key.
5. Connect the oscilloscope between TP-47B and TP-E
6. Adjust PAL COLOUR and bring the value of (A) in the illustration to 0V (voltage difference between white and blue).
7. Press the MENU key and memorize the setting value.

Adjustment part
SECAM COLOUR (AV-29BD3EN)

Description
(SECAM COLOUR)
1. Receive a SECAM full field colour bar signal (75% white).
2. Set the initial setting value of SECAM COLOUR with the FUNCTION -/+ key.
3. Adjust SECAM COLOUR and bring the value of (A) of the illustration to +5V (W~B).
4. Press the MENU key and memorize the setting value.



Adjustment part
NTSC 3.58 COLOUR

Description
(NTSC 3.58 COLOUR)
1. Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal.
2. Set the initial setting value of NTSC 3.58 COLOUR with the FUNCTION -/+ key.
3. Adjust NTSC 3.58 COLOUR and bring the value of (A) of the illustration to 0V (W~B).
4. Press the MENU key and memorize the setting value.

(NTSC 4.43 COLOUR)
1. When NTSC 3 58 is set, NTSC 4.43 will be automatically set at the respective values.

The End

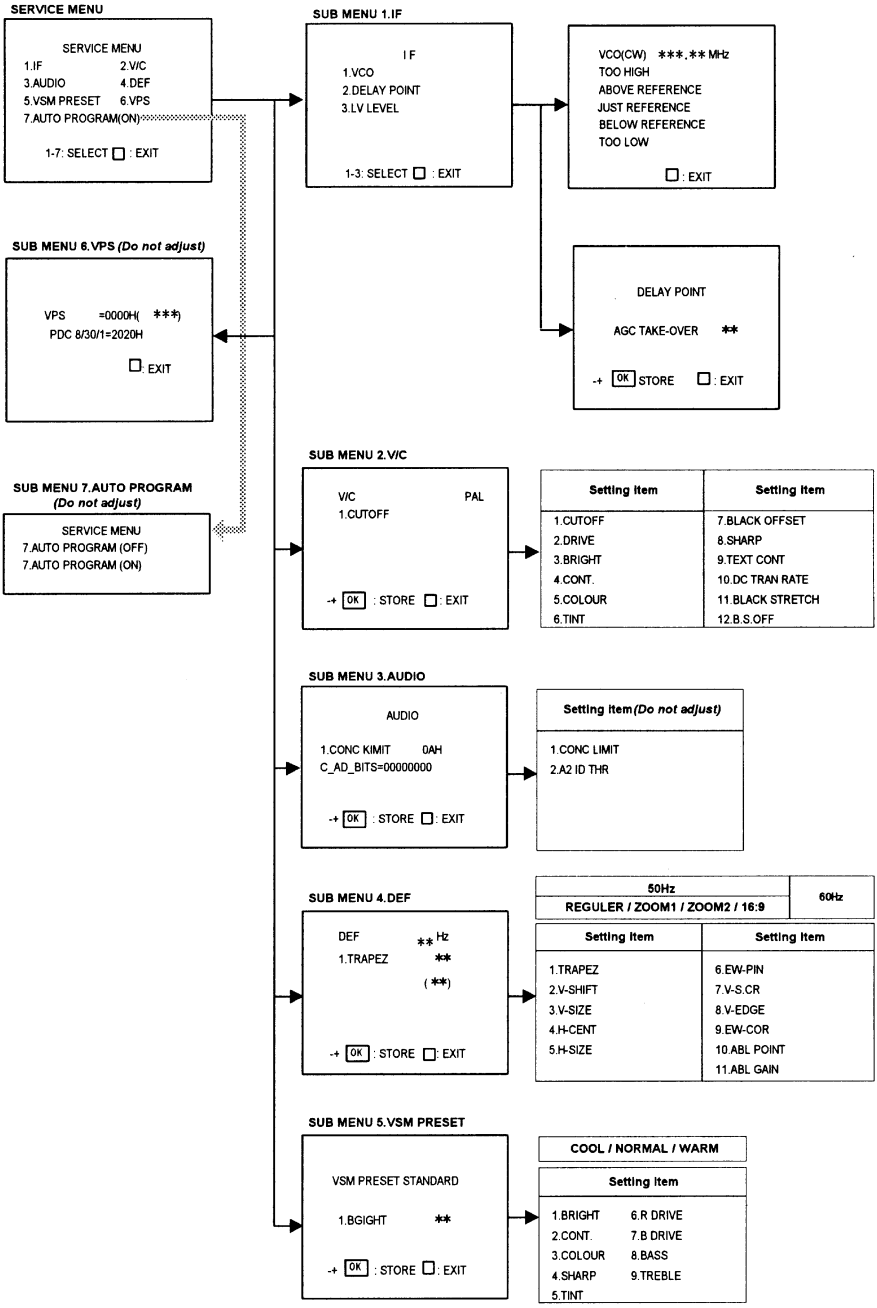
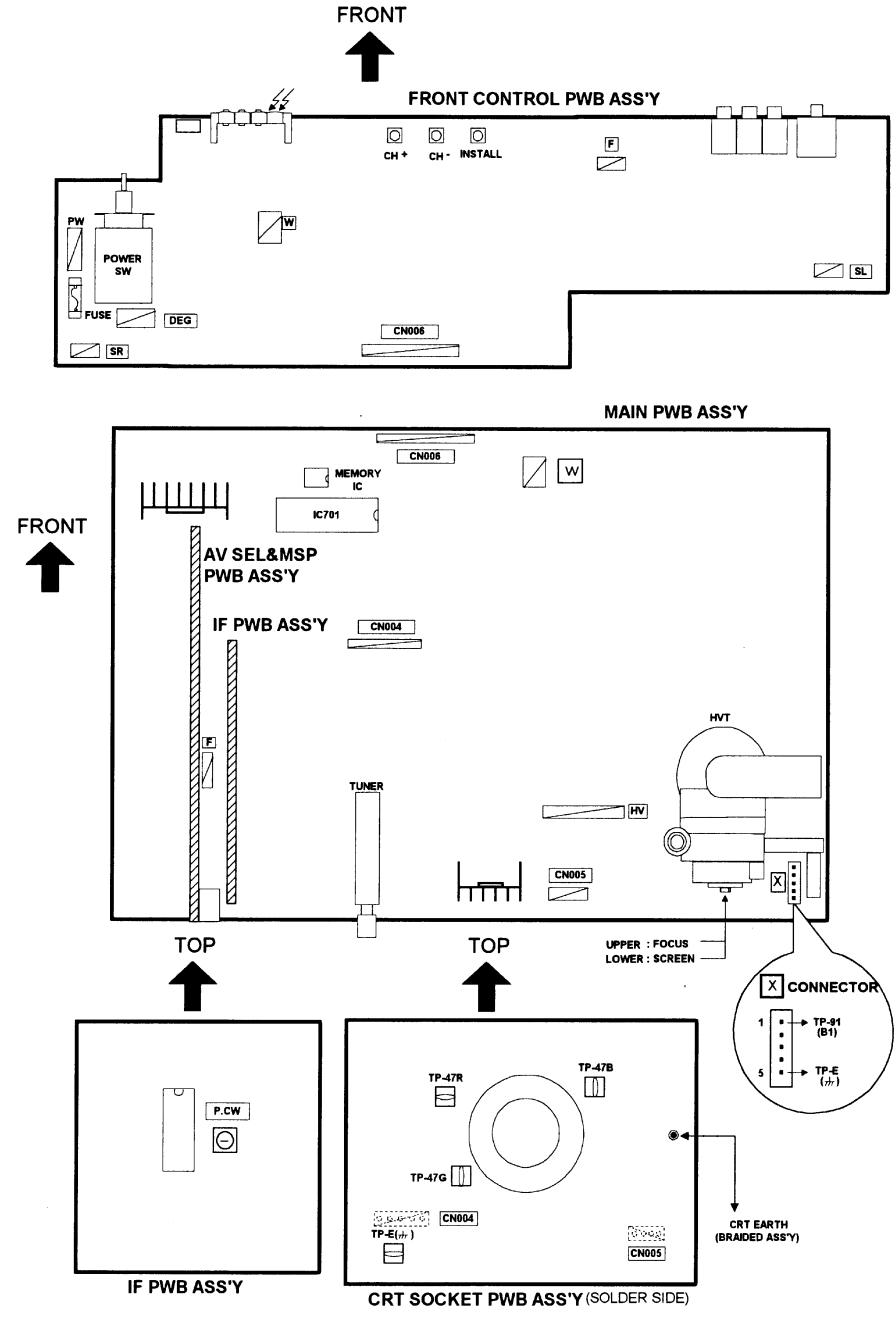


Fig. 3 SUB MENU SCREEN


FRONT
FRONT CONTROL PWB ASS'Y
CH +
CH -
INSTALL
F
PW
POWER SW
FUSE
W
DEG
SR
CN006
SL
MAIN PWB ASS'Y
FRONT
CN006
MEMORY IC
IC701
W
AV SEL&MSP PWB ASS'Y
IF PWB ASS'Y
CN004
F
TUNER
HVT
HV
CN005
X
TOP
TOP
UPPER : FOCUS
LOWER : SCREEN
X CONNECTOR
1
5
TP-91 (B1)
TP-E (hr)
P.CW
IF PWB ASS'Y
TP-47R
TP-47B
TP-47G
CN004
TP-E(hr)
CN005
CRT EARTH (BRAIDED ASS'Y)
CRT SOCKET PWB ASS'Y (SOLDER SIDE)

Setting (adjustment) item	Adjustment name	Variable range	Initial setting value				
			50Hz mode				60Hz mode
			REGULAR	ZOOM1	ZOOM2	16:9	
1. TRAPEZ	Trapezoidal distortion correction	-32~+31	+16	-2	-4	+1	-1
2.V-SHIFT	Vertical center	-32~+31	-13	+2	+3	+2	+12
3.V-SIZE	Vertical hight	-64~+63	-26	+16	+27	-25	-1
4.H-CENT	Horizontal center	-16~+15	-9	+0	+0	-9	+3
5.H-SIZE	Horizontal width	-32~+31	+15	-3	-3	+0	+1
6.EW-PIN	Side pin correction	-32~+31	+2	+11	+20	-14	-1
7.V-S.CR (Fixed)	Vertical hight correction	-16~+15	+2	+1	+4	+0	+0
8.V-EDGE (Fixed)	Vertical edge correction	-08~+07	+7	+0	+0	+0	+0
9.EW-COR (Fixed)	Side pin for corner correction	-08~+07	-2	+3	+4	+0	-1
10.ABL POINT *(Do not adjust)*	Auto beam limited point	-08~-01	-4	←	←	←	←
11.ABL GAIN *(Do not adjust)*	Auto beam limiter gain	-08~-01	-4	←	←	←	←

⚠	Parts Name	AV-29BD3EN	AV-29BD3EK
	MAIN PWB ASS'Y	SJE-1025A-U2	SJE-1927A-U2
	AV SEL & MSP PWB ASS'Y	SJE0S004A-U2	SJE0S906A-U2
	IF PWB ASS'Y	SJE0F002A-U2	SJE0F902A-U2
	FRONT CABINET ASS'Y	LC10077-003A-U	LC10077-002A-U
	DOOR	LC20074-003B	LC20074-002B
⚠	**POWER CORD**	AEEMP001-185	AEEMP003-185A
	REMOCON UNIT	RM-C795-1E	RM-C794-1E
⚠	**INST BOOK**	LCT0133-001A-U LCT0134-001A--U	LCT0131-001A-U
	CUSHION ASS'Y	LC10099-002A-U	LC10099-004A-U
	PACKING CASE	AEM1002-055-E	AEM1002-054-E
	S.DIAGRAM (Only for ITALY)	29BD3EN-HSAE	×
⚠	**RATING LABEL**	LC20076-001A-U LC20077-002A-U	LC20075-002A-U
	TOP PANEL	×	AEM3080-001-E
	TV STAND	×	RK-GS30(Z)
	X-RAY CARD	LC10102-001A-U	×

AV SEL & MSP PWB ASS' Y

SJE0S004A-U2 (AV-29BD3EN)
SJE0S906A-U2 (AV-29BD3EK)

NOTE
*1 : 2SC2712(YG)-X
*2 : 2SA1162(YG)-X
*3 : MA3130(H)-X
*4 : MA141WK-X
BW : BUS WIRE
0 : 0Ω RESISTOR
X : NON MOUNT (OPEN)

EXT-2
COMMON GND
Y2/Y2 IN
VSEL OUT
GND(Y IN)
GND(Y OUT)
NC(Ys IN)
C2 IN
NC(Ys OUT)
GND(R)
SDA3
NC(G IN)
SCL3
NC(G GND)
SLOW SW IN
NC(B IN)
L2 IN
GND(B)
AUDIO GND
LSEL OUT
R2 IN
RSEL OUT
J002 CEMJ001-001
L205 CE41832-001
L201-L204 QGL211K-5R6Y

EXT-1
COMMON GND
Y1/Y1 IN
VTV OUT
GND(Y IN)
GND(Y OUT)
Ys IN
R/C1 IN
GND(Ys)
GND(R)
NC
G IN
NC
GND(G)
SLOW SW IN
B IN
L1 IN
GND(B)
AUDIO GND
LTV OUT
R1 IN
RTV OUT
J001 CEMJ001-001 21PIN SOCKET
L101-L104 QGL211K-5R6Y

Q201 *1 VIDEO BUFFER
Q202 *2 VIDEO AMP
Q401 *1 I2C SW
Q402 *1 I2C SW
Q204 DTC323TK-X A MUTE
Q203 DTC323TK-X A MUTE
Q101 *1 VIDEO BUFFER
Q102 *1
Q105 *2
Q101, Q102, Q105 VIDEO BUFFER
Q103 DTC323TK-X A MUTE
Q104 DTC323TK-X A MUTE

IC603 SOUND SEL
Q601 SW
IC401 TEA6416 VIDEO SW

IC601 MSP3410B-PP-F7 MULTI SOUND PROCESSOR
EF601 CE42142-103Z
EF602 CE42142-103Z

Q602 A MUTE
Q603 A MUTE

IC602 (1/2) BA4558F-X LPF
IC602 (2/2) BA4558F-X LPF

Q503 *1 BPF
Q502
Q403 *1 VIDEO BUFFER

FRONT CONTROL PWB ASS' Y
CN00F

MAIN PWB ASS' Y
CN002
CHB302W-40P-A

IC401 (11) 1.3Vp-p(H)
IC401 (15)(16) 2.6Vp-p(H)

ANT IN
TU001 TUNER
IF
SF010
SF012
IC010 PIF/SIF DETECTOR
IF PWB
(Only AV-29BD3EN)
Q103 SECAM Trap. SW
IC601 POWER AMP
HEAD PHONE
R
L
SP R
SP L
FRONT CONTROL PWB(2/2)
RGB OUT
10
9
SDA SCL
14
13 12
R G B
IC101 V/C DEF DECODER
R
G
B
YS
18-25
Y/CV IN
TEXT SYNC
51
H. OUT
4
V. OUT
53
R. G. B OUT
V01
CRT SOCKET PWB
ENABLE
DATA
CLOCK
LOCK
KEY
REMOCON
ECO
SDA SCL
IC401 VIDEO SW
EXT-2 TERMI.
IC701 MICRO COMPUTER
IC805 DATA SLICER
IC804 TELETEXT DECODER
IC802 RGB. SW
SCRT R
SCRT G
SCRT B
IC602 LPF
IC703 MEMORY
Q801 YS BUFFER
EXT-1 TERMI.
SDA SCL
IC601 MURTISOUND PROCESSOR
AV SEL & MPS PWB
Q461 PRI DRIVE
IC401 V-OUT
V.DY
H.D Y
Q501 H. DRIVE
Q521 H. OUT
T551 HVT
FOCUS
SCREEN
HB
B1
FRONT CONTROL PWB(1/2)
R IN
EXT-3
L IN
V IN
T901 SW. TRANSF
CP953
CP952
IC951 12V. REG
IC952 9V REG
IC953 5V REG
12V
9V
5V
Q901 POWER OUT
B1
POWER SW
AC IN
AV-29BD3EN
F901
S901
D901
IC901 POWER CONTROL
IC902 VOLTAGE FEED BACK
IC954 ERROR AMP
AV-29BD3EK
MAIN PWB

CRT SOCKET PWB ASS' Y
SJE-3021A-U2

TO MAIN PWB ASSY

CHRB06-38-T
CN004

+12V	1	12V
GND	2	0V
B	3	2.5V
G	4	2.5V
R	5	2.4V
STDBY 10V	6	14.3V

Q106 (C) 130Vp-p (H)
R126 100 1/2W
C105 47/16
R106 100
Y105 X
R103 100
Q103 *1 VIDEO AMP
H009 CEHP00N-001Q
Q106 2SC4544-LB VIDEO AMP(B)
145.1V 11.7V 11.3V 2.5V 2.6V
R117 15k 2W OMR
R116 15k 2W OMR
L103 180
R120 1k QRZ0107-102Z
TP-47B
Y112 0 (H)
Y111 0 (H)
TP-E (H)
Y106 X
C103 330p
R112 180 1/4W
R111 47
3.8Vp-p (H)
R143 2.2k
C104 100/16
Q105 (C) 120Vp-p (H)
Q105 2SC4544-LB VIDEO AMP(R)
150.7V 11.7V
R105 100
Y103 X
R102 100
Q102 *1 VIDEO AMP
H010 CEHP00N-001Q
11.3V 2.4V 1.9V
R124 15k 2W OMR
R115 15k 2W OMR
L102 180
R119 1k QRZ0107-102Z
TP-47R
TP-47G
4Vp-p (H)
R142 2.2k
Y104 X
C102 270p
R109 180 1/4W
R110 47
C102 NDC21HJ-271X
Q104 (C) 130Vp-p (H)
Q104 2SC4544-LB VIDEO AMP(G)
H011 CEHP00N-001Q
145.8V 11.7V
R104 100
C105 .1 NCF21EZ-104X
Y101 X
R101 100
Q101 *1 VIDEO AMP
11.3V 2.5V 2V
R114 15k 2W OMR
R113 15k 2W OMR
L101 180
R118 1k QRZ0107-102Z
C124 X
R125 1/4W 470k
C123 33/250 GETM2EM-336
(H)
Y102 X
C101 270p NDC21HJ-271X
R107 180 1/4W
R108 47
D124 *3
D125 *3
D126 *3
R165 0
D121 *3
R121 1k
14.1V 14.3V
R122 4.7k
C121 10/50
Q154 *2 POWER OFF DET
Y107 0
0V
D122 X
12.2V 0V
Q153 2SC1815/YG/-T VIDEO MUTE
1.1V
R123 X
D123 MA3068/M/-X
R141 2.2k

⚠ SK001 CE42535-001J1 CRT SOCKET

⚠ V01 PICTURE TUBE A68ESF002X011

B	11	BK
R	8	RK
G	6	GK
H	10	
H	9	
G1	5	
G2	7	
G3	1	

EHV

④ : NC
⑫ : ARRESTER GND

K001 (H) X
(H) CRT GND
FOCUS
SCREEN
R131 470k 1/2S QRZ0107-474Z
C113 .001
QCZ0121-102

HEATER

NOTE

X : NON MOUNT (OPEN)	*1 : 2SC1815/YG/-T
: LOW B GND	*2 : 2SA1162/YG/-T
: HIGH B GND (H)	*3 : DAN202K-X
	BW : BUS WIRE
	0 : 0Ω RESISTOR

TO MAIN PWB ASSY

CHRB04-30-T
CN005

HB	1	
NC	2	
GND	3	0V
HEATER	4	0V

FRONT CONTROL PWB ASS'Y
SJE-8009A-U2

LIVE (⏚) ISOLATED (⏚)

⚠L01 DEG. COIL CELD020-004J7 — CNDEG (1 2) — DEG

R901 QRE121J-331Y

⚠C904 .047 MF AC275V QFZ9040-473N

⚠TH901 CEKP010-001J2

RY901 X

Y911 BW

D981 X

QQL401K-100

L901

L902

Y909 X

Y910 X

QQL401K-100

W — CNOOW — AC 2 / AC 1 — TO MAIN PWB ASSY

Y906 X Y907 X Y905 X Y908 X

⚠LF901

⚠LF901 CE42144-001J2

⚠C901 .47 AC275V MF QFZ9040-474N

⚠S901 MAIN POWER QSP4K21-C01

VA901 X ⚠

PW — CNOPW — BLU 2 / BRN 1

⚠F901 T3.15AH QMF51D2-3R15J1

AC230V 50Hz (AC220~240V) ⚠POWER CORD AEEMP001-185 (AV-29BD3EN)

AC230V 50Hz (AC220~240V) ⚠POWER CORD AEEMP003-185A (AV-29BD3EK)

Q982 X POWER ON/OFF

R986 X

IC001 REMOCON RECEVER GP1U281Q — OUT Vcc GND (1 2 3) — 3.3V 4.9V 0V

R981 X Q981 X RELAY SW

R982 X C981 X D983 X

R983 X D982 X R984 X R985 X

5V

Q002 *2 LED SW — 4.9V — 1.5V — 0V

Q003 *2 LED SW — 4.9V — 4.4V — 1.4V

R005 560 R006 390 R019 X

[G] [R]

D010 POWER [STD BY RED] [POWER ON GRN] SPR-39MVWF

D015 DAN202K-X

D012 TIMER [ORG] SLR-342DU-T16

D009 ECO [GRN] SLR-342MG-T16

R008 6.8k

C004 .1 NCF21EZ-104X

D013 MA3068(M)-X

C005 100/16

Q001 2SC2712(YG)-X ECO DRIVE — 4.9V — 5.6V — 4.9V

D007 ECO SENSER P1201

R003 22K C003 10/50 R018 X

R004 10k

D008 DAN202K-X

C009 X

C007 1000/35

C012 150p

CN006 — GND GND GND SP_R SP_R SP_L SP_L 12V STDBY_10V H/P DET NC NC P.ON/OFF KEY2 KEY1 STDBY_5V REMOCON ECO.OUT TIMER_ON/OFF ECO.LED GND GND NC NC NC (25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1)

CN006 CHC108N-25T-A

TO MAIN PWB ASS'Y

CNOSR CH41169-003Y (4 3 2 1) — SP+ SP- SP- SP+ — TWEETER WOOFER

R F

CN00F CH41169-001 (5 4 3 2 1) — R3 GND(A) L3 GND(V) V3

TO AV SEL & MSP PWB ASS'Y

Y001 BW

J001 HEADPHONE JACK QMS3004-C01 — GND L R (1 6 5 4 2 3 7 8 9)

C001 .0022 C002 .0022

L002 5.6 L001 CE41832-001 L003 5.6

R001 270 1/4W R002 270 1/4W

R016 1k R015 1k L005 CE41832-001

S002 V(DOWN) QSP1A11-C18Z

S003 Λ(UP) QSP1A11-C18Z

S001 VR QSP1A11-C18Z

R010 8.3k R009 8.2k R013 4.7k R012 3.9k R007 2.2K

C008 X L004 CE41832-001 C006 1000/35

CNOSL CH41169-003Y (1 2 3 4) — SP+ SP- SP- SP+ — WOOFER TWEETER — L

C013 X D016 X

J002 V3 IN CEMN011-001 — R017 75

J003 L3 IN CEMN011-002 — C010 .0047 — QQL211K-270Y — L010 27

J004 R3 IN CEMN011-003 — CE41832-001 L012 — C011 .0047 — L011 27 QQL211K-270Y

EXT-3

NOTE

*1: DAN202K-X
*2: DTA144TKA-X
X : OPEN(NON MOUNT)
BW: BUS WIRE

IF PWB ASS'Y SJE0F002A-U2 (AV-29BD3EN)
SJE0F902A-U2 (AV-29BD3EK)

NOTE

*1: 2SC1272/YG/-X
*2: 2SA1162/YG/-X
*3: DTC144EK-A
*4: 1SS85-T5
X : OPEN (NON MOUNT)

MAIN PWB ASS'Y

CN003
CHB302W-20P-A

GND
L-VL/OTH
12V
IF
IF
IF
IF
GND
L AUDIO
APC FILTER
AFC
SD
S. AGC FILTER
9V
SIF
OTH
NOISE
AGC
Vtv
LV-LEVEL

L SIF Vtv

9V
12V

SF011 X
SF012 * (SAF33.0MCB70Z)
SF010 * (G3962M)

L041 10 NQL011K-100X
L040 12
L030 NQL011K-2R2X
L030 2.2
L070 5.6
L071 6.2 NGL011K-8R2X
L020 X
L050 X
L051 X
L052 X
L053 X

C047 220/16
C028 X
C020 X
C021 X
C022 X
C023 X
C024 X
C025 X
C026 X
C027 X
C040 .001 CH
C041 100/16
C042 .01
C043 100/16
C044 .01
C045 .01
C046 X
C050 1/50
C051 X
C052 X
C053 X
C054 .01
C055 100/16
C056 47/50
C057 .001 CH
C058 .0047
C059 X
C060 X
C061 X
C062 .47/50
C063 X
C064 .0047
C065 1/50
C066 X
C069 .01
C070 .01
C071 33/50
C080 .0047
C081 .0047
C084 X
C140 3.3/50
C141 0033
C142 1/50
C143 .068 MY
C144 3.3/50
C145 .0022

D020 X
D021 X
D050 X
D051 X

R029 X
R020 X
R021 X
R022 X
R023 X
R024 X
R025 X
R026 X
R027 X
R028 X
R030 *
R031 *
R050 X
R051 X
R052 X
R053 X
R054 X
R055 X
R056 X
R057 4.7k
R058 2.7k
R059 27k
R060 X
R061 X
R062 X
R063 8.2k
R064 0
R065 47
R069 X
R070 39k
R071 39k
R080 47k
R081 47k
R082 2.7k
R083 X
R084 X
R601 X
R602 X
R140 470k
R141 100
R142 390
R143 75
R144 680k
R145 3.3k
R146 100k
R101 8.2k
R102 470

T020 X
T050 P.CW
T050 CELT001-307
T051 X S.L-VL CW
S.CW
P.L-VL CW
L V LEVEL

Y002 X
Y004 0
Y005 0
Y019 0
Y020 0
Y010 X

CF010 *
CF011 *
CF012 X
CF013 X
CF140 CSB503F30
CF100 *

IC010 TA8865BN PIF/SIF DETECTOR

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
H. VCO	MUTE OUT	SYNC IN	VIDEO OUT	MODE SEL	LOCK FILTER	PIF VCO	PIF VCO	VCO GND	LOOP FILTER	VCO Vcc	SIF VCO	SIF VCO	APC FILTER	1st SIF OUT	L/BG SECAM adjustment	LIMITER IN RF AGC DELAY	RF AGC OUT	
5.4V	4.1V	6.5V	2.6V	1.5V	3.5V	7.1V	7.2V	0V	3.8V	8.5V	7.2V	7.2V	4.4V	3.8V	4.6V	4.2V	7.4V	

18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
H. AFC FILTER	MUTE FILTER	2nd AGC FILTER	PIF Vcc	1st AGC FILTER	PIF IN	PIF IN	PIF GND	SIF Vcc	SIF IN B	SIF IN B	SIF GND	SIF IN A	SIF IN A	S. AGC FILTER	AUDIO OUT	FM DET	AFT OUT	
7V	0.3V	8.1V	8.9V	8.1V	1.8V	1.8V	0V	8.5V	1.9V	1.9V	0V	0V	0V	6.9V	4.6V	2.6V	3.8V	

Q101 *1 BUFFER
Q102 X
Q103 X
Q104 X
Q105 X
Q106 X
Q107 *2 BUFFER
Q108 X SYSTEM SW
Q109 PHASE COMPENSATOR
Q109 *1
Q110 *1 BUFFER
Q111 X
Q120 X
Q121 X
Q122 X
Q123 X
Q124 X
Q125 X
Q126 X
Q080 *1 SIF BUFFER
Q501 X
Q602 X

R101 8.2k
R102 470
R103 X
R104 X
R105 X
R106 X
R107 X
R108 1k
R109 *
R110 2.2k
R111 150
R112 150
R113 *
R114 *
R115 *
R116 560
R117 X
R120 X
R121 X
R122 X
R123 X
R124 X
R125 X
R146 100k
R601 X
R602 X
R603 X
R604 X
R605 X
R606 X
R607 X
R608 X
R609 X

L101 C102 X
L102 X
L103 *
L104 *
C101 .1 NCF21EZ-104X
C103 X
C104 CH
C105 .1
C109 X
C110 X
C112 X
C113 X
C114 X
C115 X
C116 X
C117 X
C118 X
C119 X
C120 X
C121 X
C122 X
C123 X
C124 X
C125 X
C126 X
C127 X
C128 X
C129 X
C130 X
C131 X
C132 X
C133 X
C134 X
C135 X
C136 X
C137 X
C138 X
C139 X
C501 X
C502 X
C503 X
C504 X
C505 X
C506 X
C601 X
C602 X
C603 X
C604 X

L-VL/OTHERS
L/OTHERS
B/G
1st SIF
SIF
L
Vtv

DIFFERENCE LIST (*PARTS)

*	SJE 0F902A-U2	SJE 0F002A-U2
SF012	QAX0352 -002	CE42606 -701
CF100	TPSH 6.0MB	TPS 5.5MW
R109	150	220
R113	270	220
R114	330	470
R115	X	3.3k
L103	NQL011K -8R2X	NQL011K -100X
L104	NQL011K -8R2X	NQL011K -5R6X
C104	220p	180p
CF010	X	FTP40. 40MF
CF011	X	FTP40. 40MF
R030	0	15
R031	0	15
SF010	QAX0315 -001	QAX0316 -001
C101	1000/16	1000/16

MAIN PWB ASS'Y
SJE-1025A-U2(2/2)
(AV-29BD3EN)
SJE-1927A-U2(2/2)
(AV-29BD3EK)

P. 2-5 & P. 2-6

DIFFERENCE LIST(*PARTS)

*	SJE-1927A-U2	SJE-1025A-U2
TU001	CEEK380-801	CEEK481-803
R125	BW	470
L103	X	QQL01BK-330Z
Q103	X	DTC124ESA-T
C128	X	QDC31HJ-390Z
R955	QRG029J-180	QRG029J-180
D608	X	X
H005	CM42862-00H	CM42862-00H
L551	QQLZ018-860	QQLZ018-860
R970	12k	12k
R601	47	47
R602	47	47
R413	BW	BW
R608	47k	47k
R616	1k	1k
R414	2.7	2.7
R107	1k	560
C625	X	X
D609	X	X
D610	X	X
D612	X	X
D614	*3	*3
IC602	X	X
R617	X	X
C613	X	X
C614	X	X
C615	X	X
Y601	BW	BW
Y602	BW	BW
R107	1k	560
CN001	X	X
C962	QEHB1VM-108	QEHB1VM-108
R417	100	100
R483	33	33
T551 ⚠	CETH019-00AJ1	CETH019-00AJ1
L521	CELL011-002J1	CELL011-002J1
R510	QRG029J-182	QRG029J-182
K004	CE41433-001	CE41433-001
H003	LC30416-001A	LC30416-001A
R511	QRG029J-222	QRG029J-222
C521 ⚠	QFZ0152-4001	QFZ0152-4001
C522 ⚠	QFZ0152-9501	QFZ0152-9501
C523 ⚠	QFP326J-223	QFP326J-223
C524	QFZ0194-364	QFZ0194-364
C525 ⚠	QFZ0119-684	QFZ0119-684
C531 ⚠	QFZ0119-154	QFZ0119-154
FR953	X	X
FR954 ⚠	QRZ9022-R82	QRZ9022-R82
R911	6.8k	6.8k
R918	5.6k	5.6k
D959	BW	BW
T901	CETS083-001J7	CETS083-001J7
R906	QRM059J-R27	QRM059J-R27
C919	.001	.001
R953	X	X
R919	12k	12k
Y953	X	X
R656	6.8k	6.8k
R657	8.2k	8.2k
IC401	LA7845N	LA7845N
R620	X	X
C961	1000/25	1000/25

MAIN PWB ASS'Y
SJE-1025A-U2(1/2)
(AV-29BD3EN)
SJE-1927A-U2(1/2)
(AV-29BD3EK)

NOTE

*1 : 2SC1815/YG/-T
/2PC1815/YG/-T
*2 : 2SA1015/YG/-T
/2PA1015/YG/-T
*3 : 1SS133-T2
X : OPEN (NON MOUNT)
BW : BUS WIRE

LIVE (⏚) ISOLATED (⏦)

TO CRT SKT PWB ASS'Y

TO DOLBY PWB ASS'Y (FOR SX MODEL)

TO AV SEL & HSP PWB ASS'Y

FRONT CONTROL PWB ASS'Y

IF PWB ASS'Y

ANTENNA IN

TO CRT GND

IC101 *2 VIDEO

IC101 TB1227AN V/C DEF

Q103 * SECAM Trap SW

IC501 TDA7263M POWER AMP

IC502 * 5V REG

Q502 *2 POWER ON/OFF DET

Q503 MUTE DTC323TS-T

Q504 MUTE DTC323TS-T

Q573 *1 X-RAY PROTECTOR

IC901 MC44604P POWER CONTROL

IC903 TLP721F(D4-GR) VOLTAGE FEED BACK

Q901 MT4M50E POWER OUT

IC951 AN7812F 12V REG

IC952 AN7805F 5V REG

IC953 KIA7805PI 5V REG

IC954 ERROR AMP.

IC451 TA8859CP V DRIVE & E/W PIN CORRECTION

IC401 * VERT OUT

Q465 Q466 E/W PIN CORRECTION

Q467 *1 V-OUT PROTECTOR

Q452 *1 V-OUT PROTECTOR

Q531 IRF520 S ZOOM SWITCH

IC531 TLP621(B) ZOOM SWITCH

Q572 FBT PROTECTOR

Q951 *1 STAND BY CONTROL

Q952 2SC2240/GL/-T STAND BY CONTROL

Q953 DTC124ESA-T POWER ON/OFF

Q463 *1 PRI DRIVE

Q455 *1 CUT OFF SWITCH

Q573 *1 X-RAY PROTECTOR

Q467 *1 V-OUT PROTECTOR

Q452 *1 V-OUT PROTECTOR

Q532 DTC124ESA-T

Q465 2SD1408/OY/-LB

Q521 BUL508AX

Q522 BYD32-20

Q523 2SD1408/OY/-LB

Q501 BSN274 H. DRIVE

Q502 POWER ON/OFF DET

Q503 MUTE DTC323TS-T

Q504 MUTE DTC323TS-T

Q505 MUTE

Q551 *1 MUTE

Q571

Q572

Q573 *1 X-RAY PROTECTOR

Q575

Q576

Q577

Q578

Q579

Q580

Q581

Q582

Q583

Q584

Q585

Q586

Q587

Q588

Q589

Q590

Q591

Q592

Q593

Q594

Q595

Q596

Q597

Q598

Q599

Q5100

Q5101

Q5102

Q5103

Q5104

Q5105

Q5106

Q5107

Q5108

Q5109

Q5110

Q5111

Q5112

Q5113

Q5114